

## Product datasheet for **MC203693**

### **Pdcl (NM\_026176) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pdcl (NM_026176) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdcl
Synonyms:	1200011E13Rik; AW108059; PhLP1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006578  
 GGCTTTTCGGCCACTTCTCTTTCTCTAGCGGAGCGTCCTTTGTTGGTGACAGGAGCTGCTAGTCTAGAAGG  
 AGCAGACTGAGCGAGGCGAGGCACCATGACAACCTGGATGATAAGTTACTGGGGGAGAAATTACAGTAC  
 TACTACAGCACCAGCGAGGATGAGGACAGTGACCATGAAGACAAAGACAGAGGCAGGGGAGCACCAGCCA  
 GTAGTTCCACACCTGCAGAGGCTGAGCTGGCAGGCGAAGGCATCTCCATCAATACAGGTCCAAAAGGTGT  
 GATCAATGACTGGCGCCGCTTCAAGCAGTTGGAGACAGAGCAGAGGGAGGAGCAGTGCCGGGAGATGGAG  
 CGGCTGATCAAAAAGCTGTCTATGAGCTGCAGGTCCCATCTGGATGAAGAGGAGGCAACAGAAACAGA  
 AGGACCTCCAGGAGAAAATCAGTGGGAAGATGACTCTAAAGGAGTTTGGTACAAAAGGACAAGAAGCTTGGA  
 TGATGAAGAGTTTTTGCAGCAGTATCGGAAGCAGAGGATGGAAGAGATGCGGCAGCAGTTTCATAAAGGG  
 CCCCAATTCAAGCAAGTTTTTGAATCCCCAGTGGAGAAGGGTTTTTATAGATATGATTGATAAAGAACAAA  
 AAAGCACACTTATCATGGTTCATATTTATGAAGATGGCGTCCCAGGGACTGAAGCCATGAATGGCTGCAT  
 GATCTGCCTTGCCACAGAGTACCCCGCCGTCAAATTTCTGTGGGTGAGGAGCTCAGTTATTGGGGCCAGT  
 AGTCGTTTTACCCGGAATGCCCTTCTGCTCTGCTCATCTACAAGCGGGTGAATTGATTGGCAATTTTG  
 TTCGAGTCACTGACCAGCTGGGGGAAGATTTCTTTGCTGTAGACCTTGAAGCTTCTCTGCAGGAATTTGG  
 ATTGCTCCAGAAAAGGAAGTCTTGGTGTGACATCTGTGCGAACTCTGCCACCTGTCACAGTGAAGAC  
 AGCGATCTGGAATAGATTGAACTGATAATCTAGTTCCTAGCTATCTCATTGTTTGGGCTGGAGGACAC  
 ATGCTGTATTTATTTCTGCTTCTGTGCTTCTGGCTTACAGCTGTTCTTTGATGCTCATTAGT  
 ATGTGAAAAGTCAAGAAATCTTAGATTAATCAGAATGCTGACTCACTTGTAGCTAGCAGTAAAGTGA  
 CTTCAAATATATAAACAGGAACTAGGTTCTTGAGCTGTTTACTTCTCCAGCGTGACATCTCTGATACT  
 GTTCCAGTCAATATTGACATGGCACCCTTGCAGGCAATGTCTTGAAAATGTCTTCTGATGACCTCAGA  
 ATTCTACCAGTTCTGAGAGTAGAATCCCTAGTGAGTGTGTTCTGTGCAATGTAACAGTGCATTTCCAT  
 AATCACTTGATTGCAAAATCATGTTTACTTGCAATCAGATGCATAGCTGTACTTTTTTCTCTAGACTGT  
 CTCTACCAGGGTCCATACAAGGTTGGGAATGTAGCTCGGTGGTGAAGTCTTACTATGCATGACCCCAA  
 GATACCTGATTCCCTAGCACTGTCAAGACTAAAGGTTGCAGATGGTGCCTGGTGTGCTAGTTCAGTGGC  
 CTCTGTTGTGGCGTCAAGTGGTCCAGTCCAGCATAATGAACAGGAAAGGATGGTTTTTGGTACTGCTGT  
 CATGTTGGGAGGCAAGCATCCTATTGACTGACATTGGTGTGTGGAGCTTGAACCTCAGTGGGAGGA  
 TCTTTCTGTACTCTGCTCATCAGTATCTTCTCTGTTATTAACAAGGCGACTTCTGTTAACCTCAGC  
 TTTTTTAAACGCTTTTTCGCCTATTAGGAAAAAAAAATCATATTTAGTAGAGGAAAATGGCCAAAATA  
 AAGATGTAATAAATGGTTTAAAAATGTAATTCTGCCACCTAAATACTATATGTTTTGGTATAGTTCATATA  
 TAGGTTTTTTTTTTTTAAATGTATTCATTGGCTTTTTGTTGTCTTTAAATGACTGGGATAATTCTGAG  
 CATAGTGTCTGATATTATGGTCAGTACTAATATCAGATGTTTTTTCATGTTATTAATACTCTTCTGTAA  
 CATTTTAAATAGCTGTTGATATTTCCACTGATAGATATACTGTAATATGCTTGGTGGTGGTTTTAGAAA  
 GATGGCAAACCTTTTTATTATGAACCTTTTATTATGAAATGTGTTCTCATAGAACATACAATAAAAATT  
 AAGCTAAAAAGATATTTAAAAGCCATACAGTTTTACTACTGATAATTATGTCACCATTTTTACAGATCTC  
 TTTATAGCTTTATGTGTATGTGTATTTATAAAAATTCATTGTCATTCAAGTTTTTTCTTTTAGCTAT  
 TCTTTATATGTTCTTGTGTCAGTGGAGAAGAAATGTAGTCTGGAAGTAAATATTAGCTTTAGTATGCACA  
 CTTGAGTTTTTTGGTGTCTCAGAACTAACTGTAATGAGTCTTGAAAGTGTCTGTTGGATTTAATCAAC  
 AAAACAGTTGTCATTTTCTGACTAAGGAGCTTATTGTAGAAGTGAAGAAAATCATTAGGAACAGAGAAA  
 GCTGATGTAAGTATTCTAGTTTCTTTCTTTCCAATCCTTCTGTCCCATTTCTTAATAACATTGATAGTTA  
 CTGAATTCGTGTCCTACTTTATGTAATAGTACATAAAAATACTTTGCTATATTGTAAGAAGTTCACCA  
 TTTAAATAAATCATACCATATTGACTCAGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_026176

**Insert Size:** 906 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC006578</a></u> , <u><a href="#">AAH06578</a></u>
<b>RefSeq Size:</b>	2778 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	67466
<b>UniProt ID:</b>	<u><a href="#">Q9DBX2</a></u>
<b>Cytogenetics:</b>	2 B
<b>Gene Summary:</b>	Functions as a co-chaperone for CCT in the assembly of heterotrimeric G protein complexes, facilitates the assembly of both Gbeta-Ggamma and RGS-Gbeta5 heterodimers (PubMed:23637185). Acts also as a positive regulator of hedgehog signaling and regulates ciliary function (PubMed:29290584).[UniProtKB/Swiss-Prot Function]